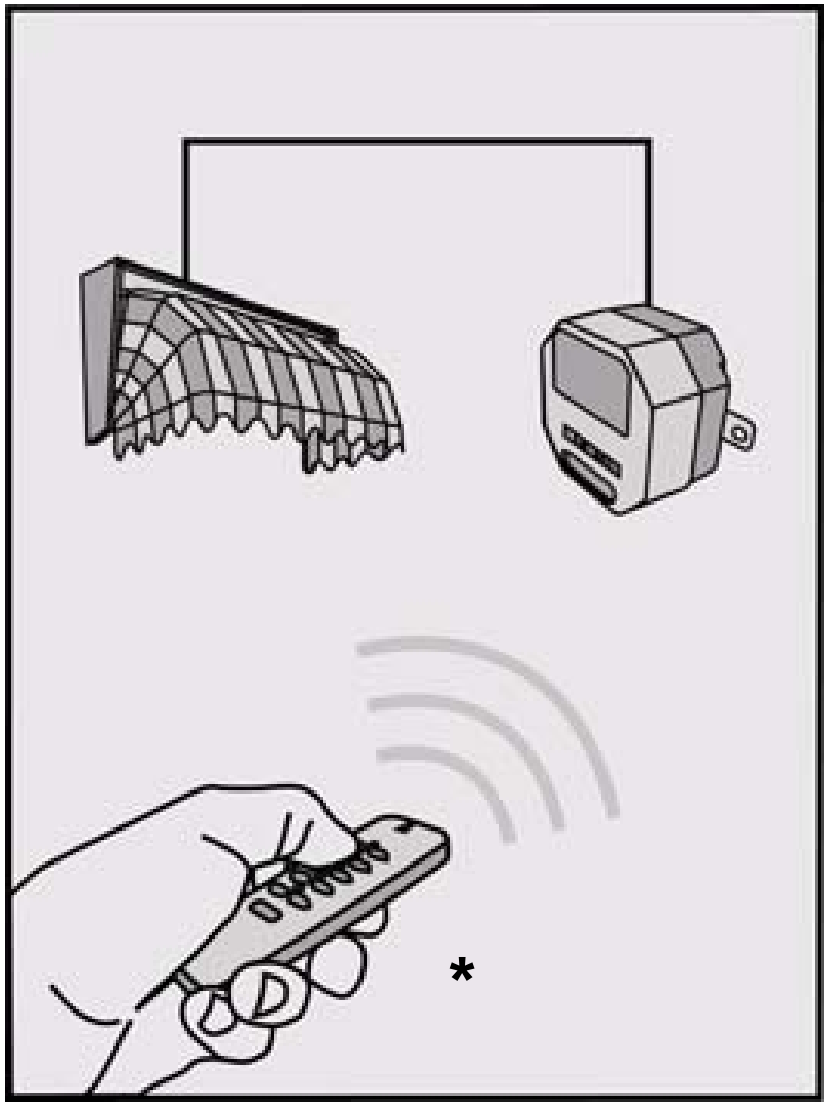
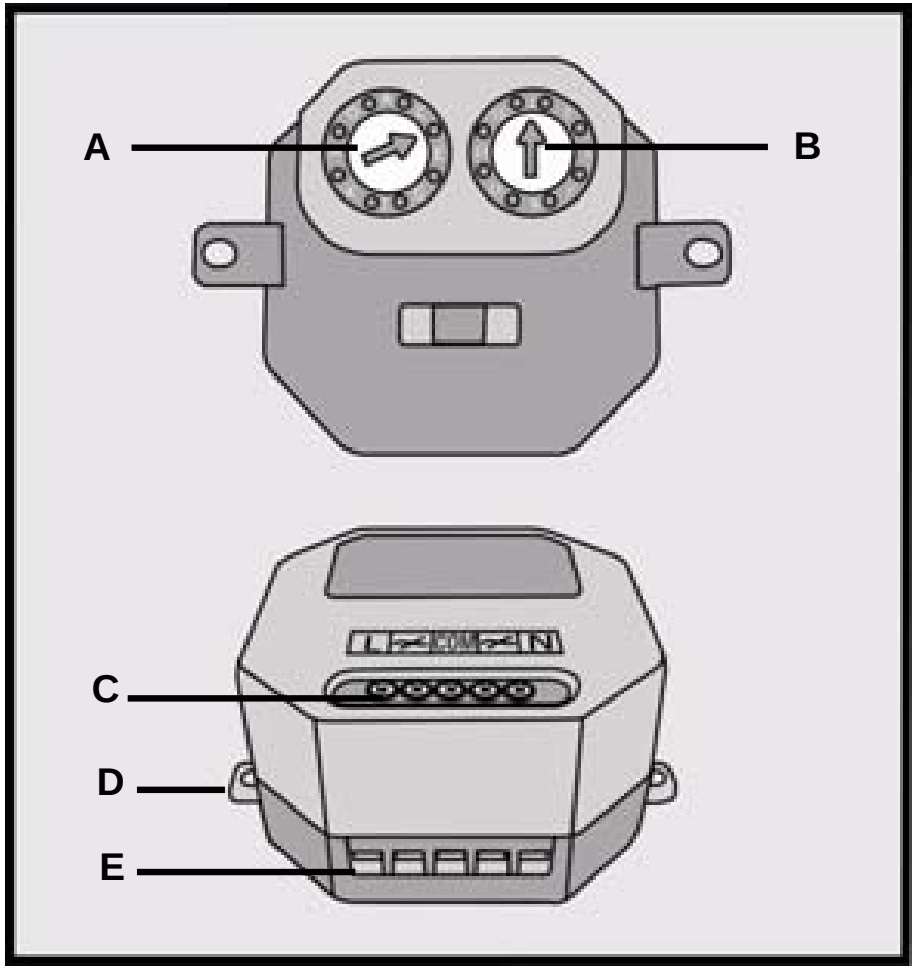
USER'S MANUAL
version 1.1

English

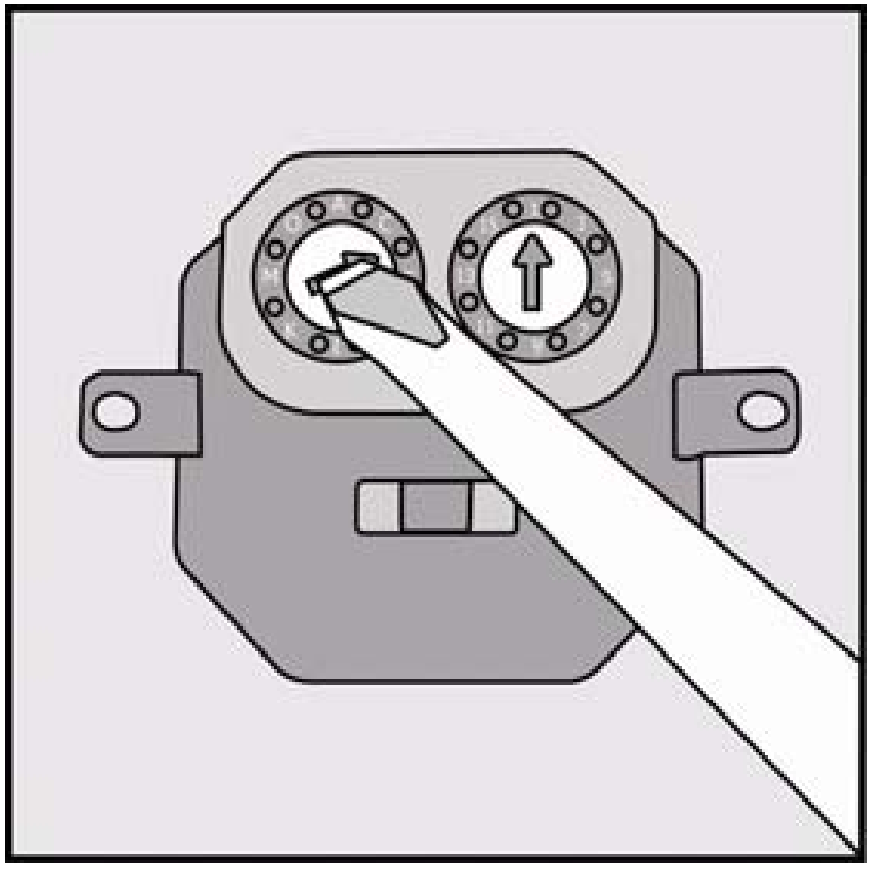
SUN-500 CURTAIN/SUN BLIND SWITCH





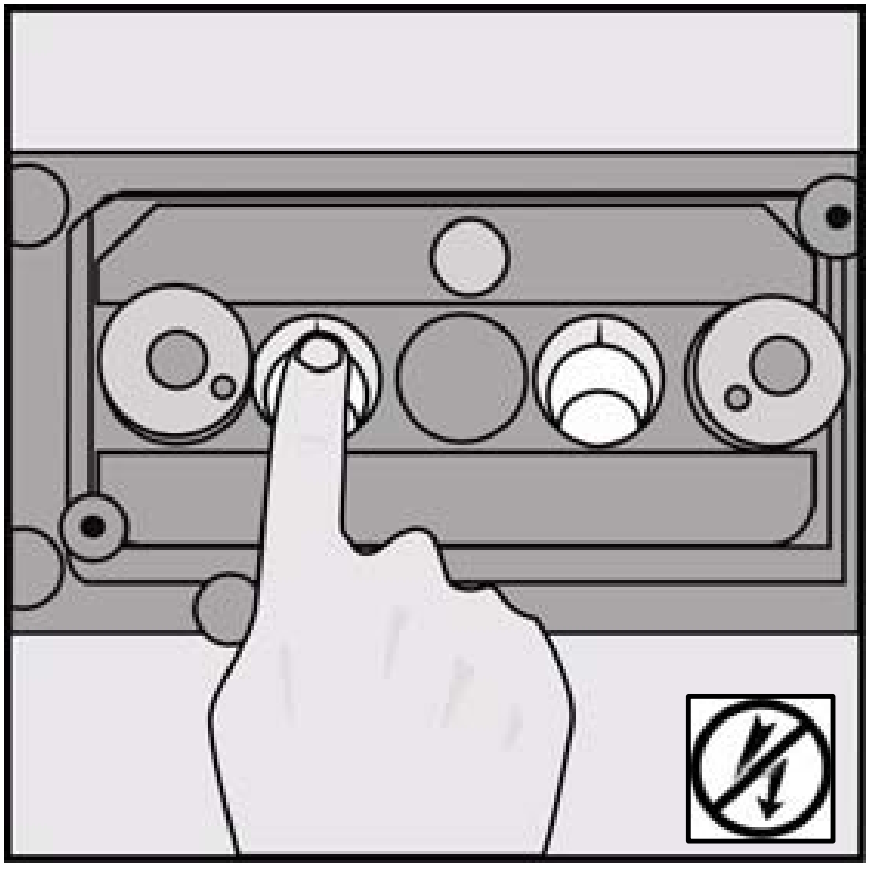
A: Letter code selector
B: Number code selector
C: Terminal screws
D: Mounting tabs
E: Power wire terminals

***** *Picture of the AYCT-102 (not included)*

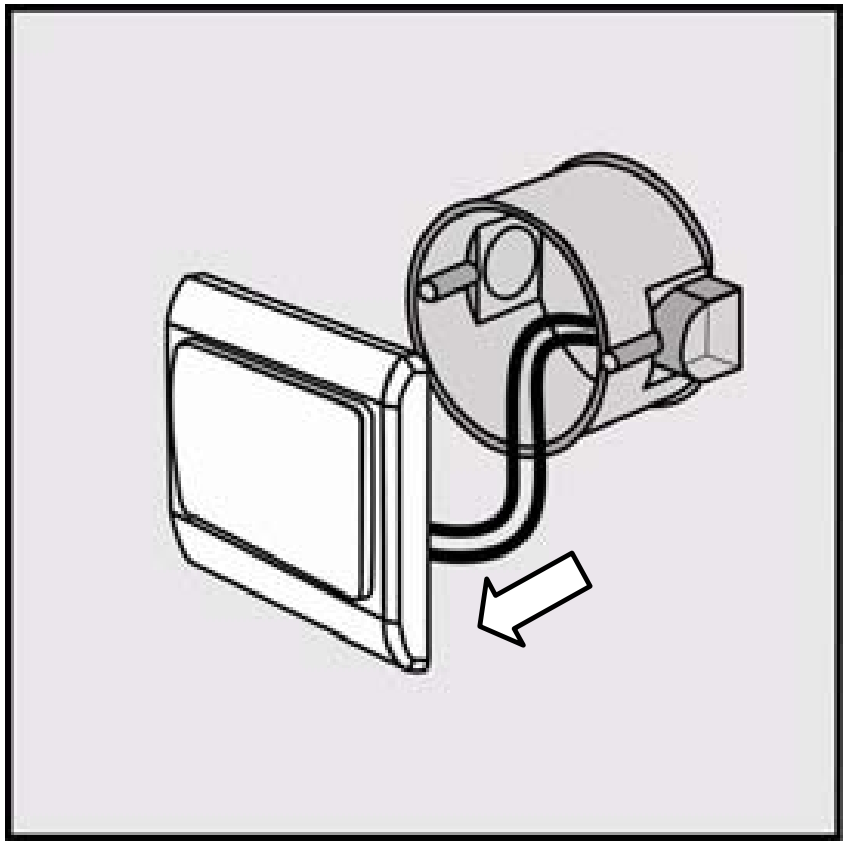


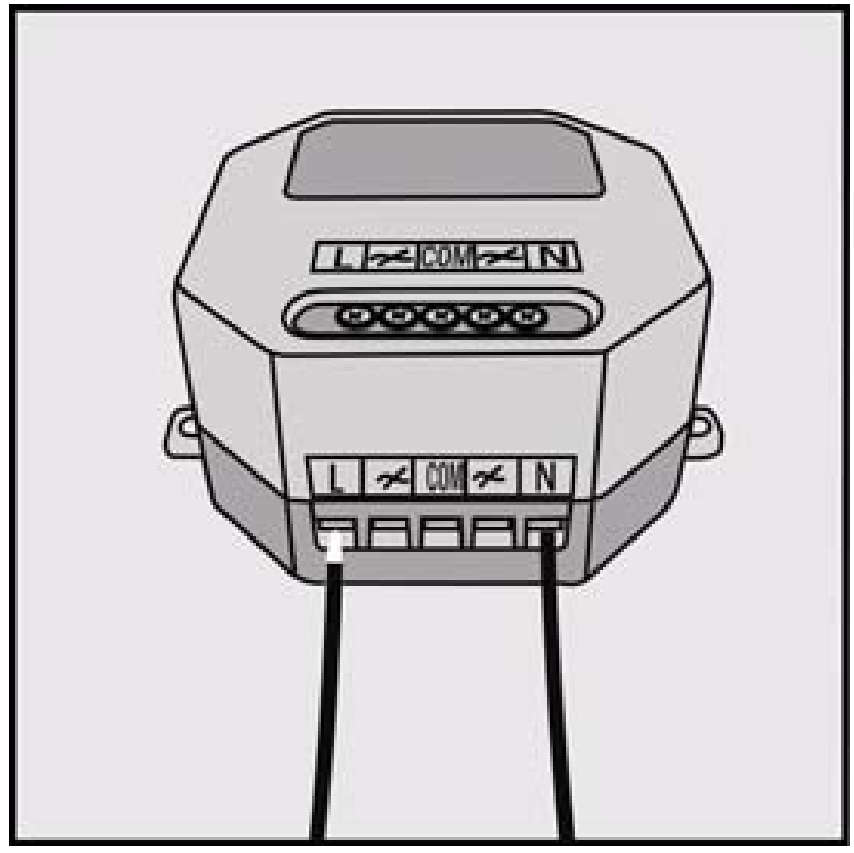
[1] Set the code switches to a desired number and letter combination.

⚠ *The COCO transmitter (e.g. remote control) must be set to the same letter/number code (see the manual for the concerned transmitter)!*



[2] Switch off the mains power before you begin installation or removal of this product.





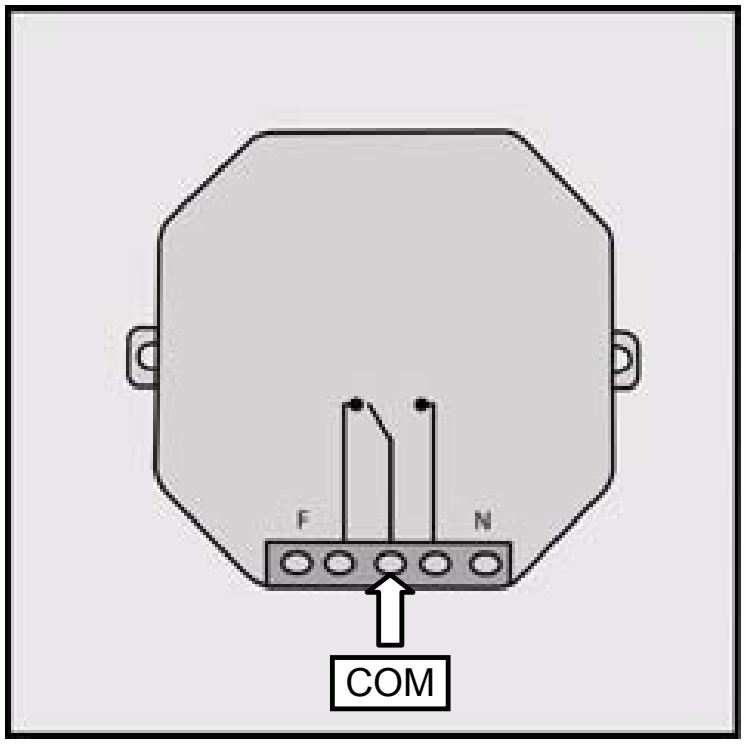
[3] If applicable: remove the existing unit with which you have controlled your rolling shutters, sun blind, curtains etc. in the past.

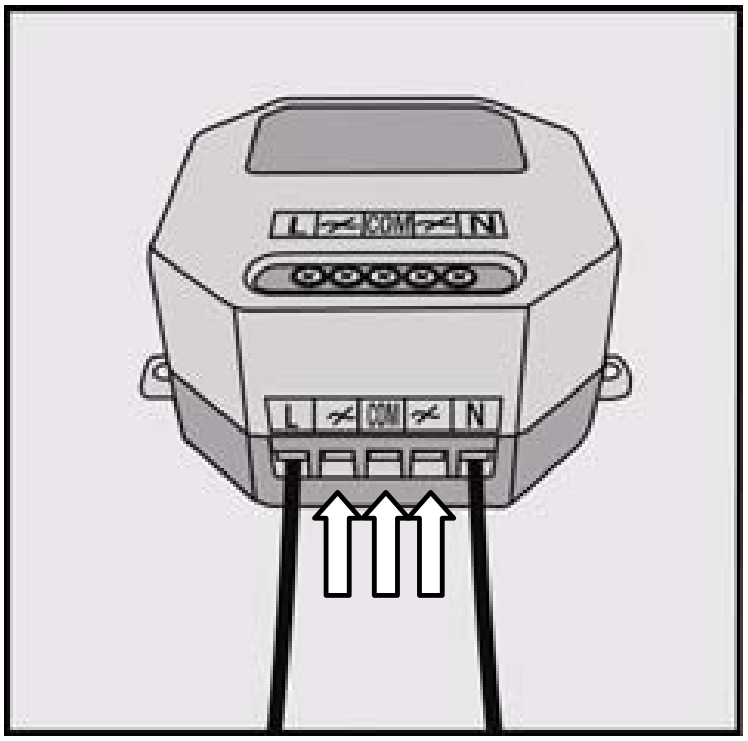
⚠ *If an existing switch is replaced by the SUN-500, it can no longer be used!*

[4] Connect 230 V mains power to the product: (1) Connect the (brown) “hot wire” to terminal “**L**”, and (2) connect the (blue) “neutral wire” to terminal “**N**”. Tighten the clamping screws.

⚠ *The 230 V mains power must <u>always</u> be connected in the manner described above!*

⚠ *Your wire colours may be different! If in doubt, ask your installer!*

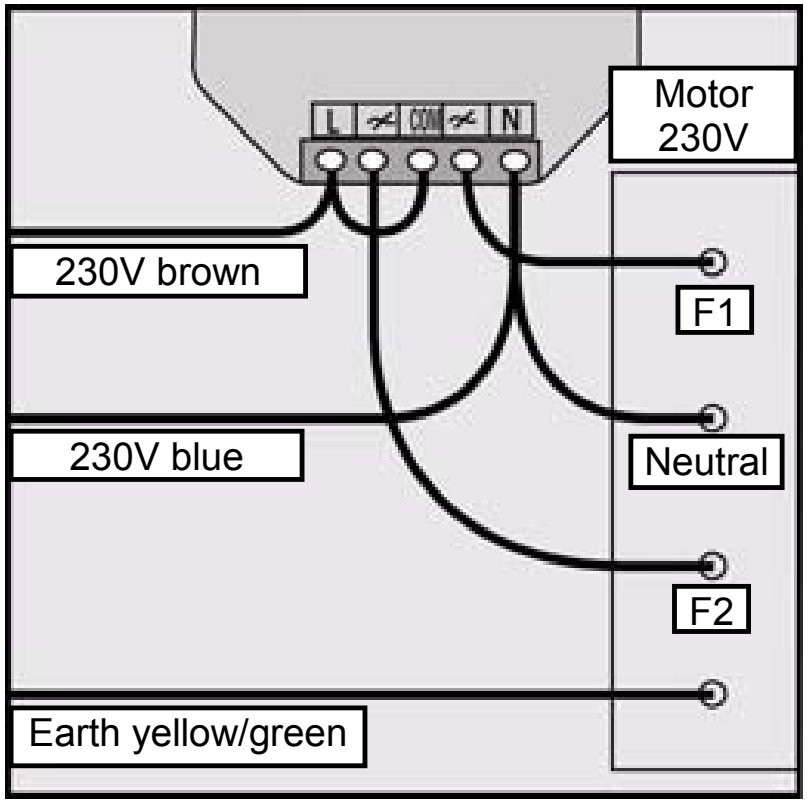


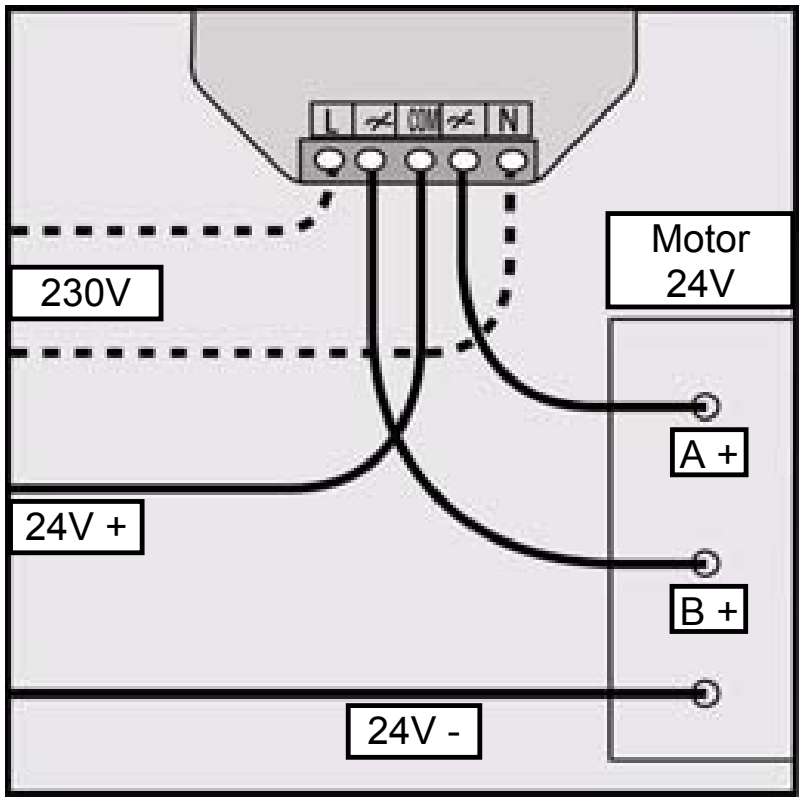


Explanation: The module contains 2 switches. These terminals have no connection to the 230 VAC on **F** and **N** and are voltage-free. This makes it possible to switch low-voltage motors without any problem! In the rest position, the common contact (COM) is not switched. After an on/off signal from your COCO transmitter, this switches either to the left or the right contact. A built-in timer always switches the COM contact back to the rest position after approx. 2 minutes!

[5] Connect the switch wires of the motor that drives your curtains or sun blind. How this is connected is dependent on the situation and the type of motor you wish to control! See the following instructions "**5A through 5D**".

⚠ *If in doubt, consult the supplier of your sun blind system!*

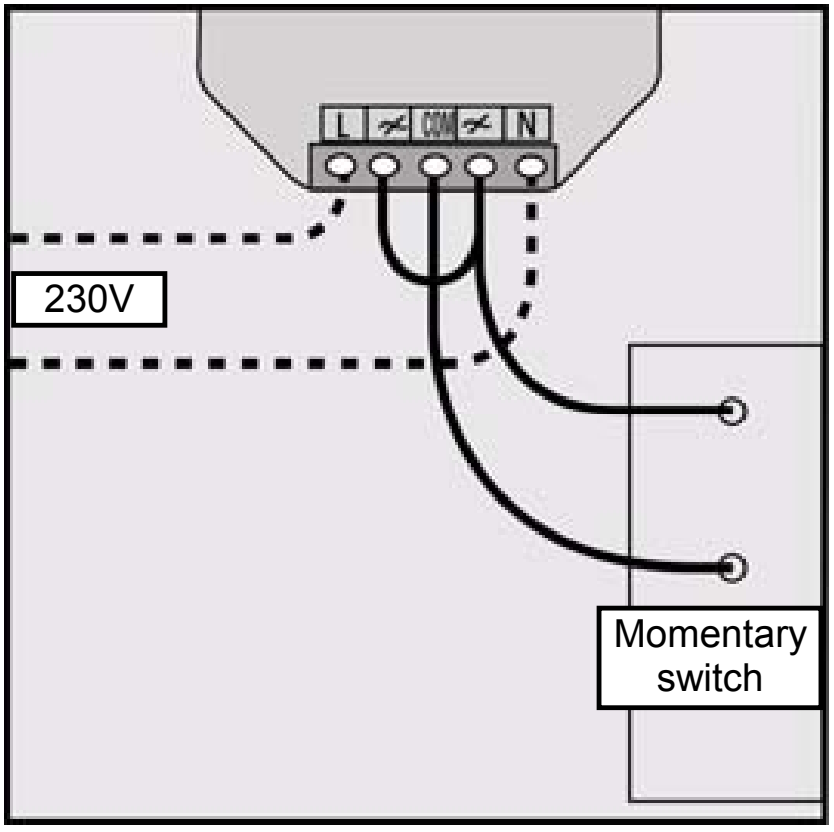




[5A] 230 V motors. The motor has 4 wires: earth (yellow/green), neutral (blue) and 2 hot wires: F1 (brown) and F2 (black). The position of F1 and F2 determines whether the blind is raised or lowered when the ON and OFF buttons are pressed on the COCO transmitter. These two terminals can be interchanged without causing any problem.

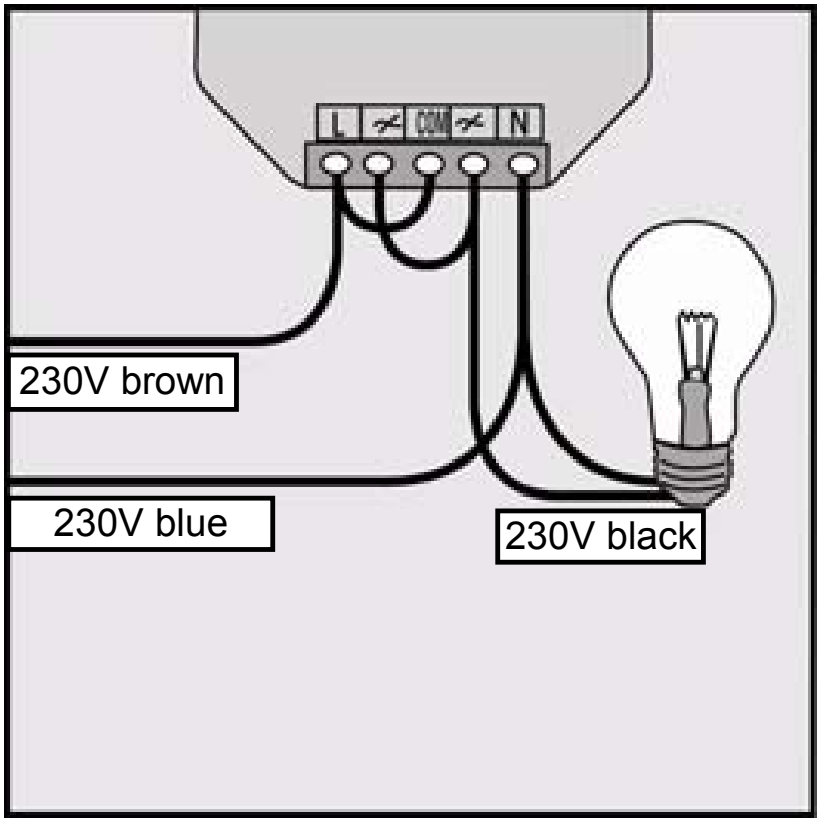
[5B] Low-voltage motors (e.g. 24 V). The position of “A+” and “B+” can be interchanged without causing any problem.

⚠ The ***L*** *and* ***N*** *terminals must never make contact with the low-voltage wires! This can lead to dangerous situations and damage to the equipment!*

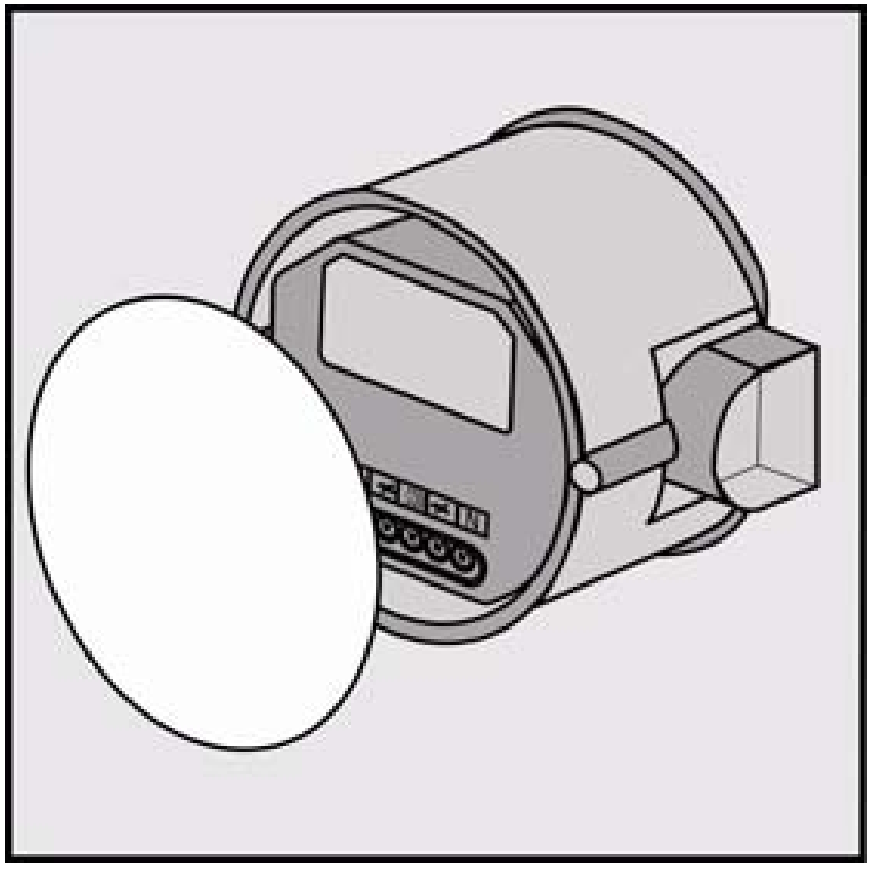


[5C] Motor with a momentary switch (the motor has 2 wires). For every command (raise/stop/lower) the same button on the transmitter must be pressed two times.

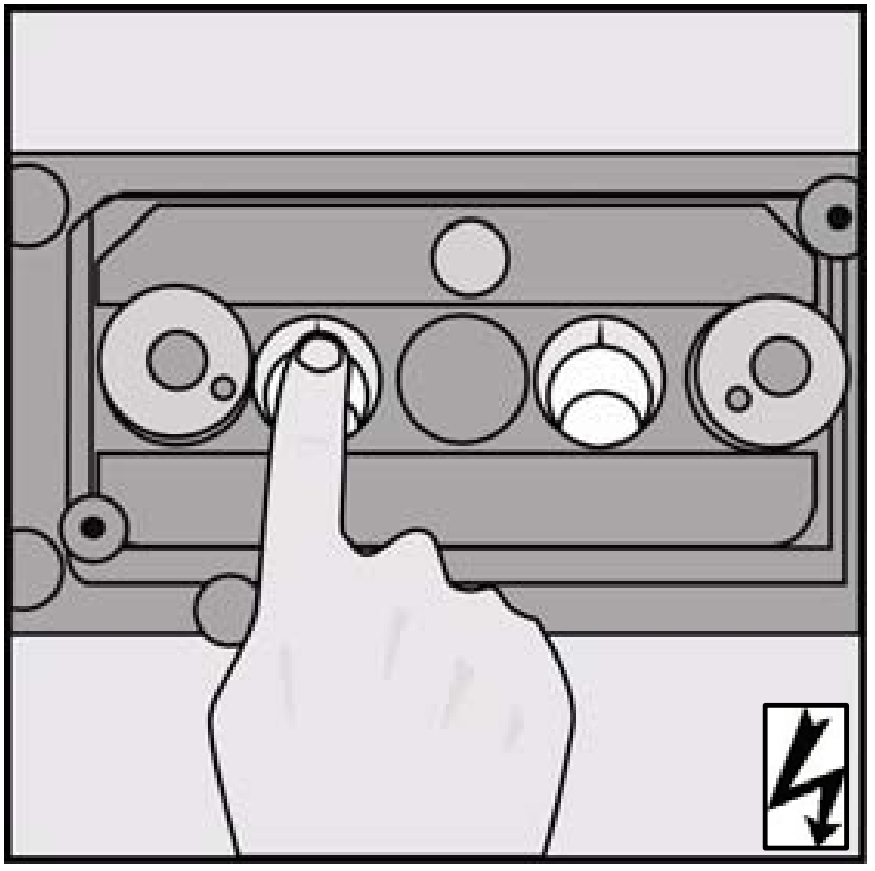
⚠ The ***L*** *and* ***N*** *terminals must never make contact with the switch terminals! This can lead to dangerous situations and damage to the equipment!*



[5D] Two minute switching (230 V, fan or stairwell lighting). The SUN-500 can be activated with a switched COCO transmitter (e.g. KCT-510 keychain with remote control or PIR-2050 motion detector) and switches off automatically after approx. two minutes.



[6] Install the product in a standard junction box or other type of housing (e.g. the motor housing). Close the housing.



[7] Switch on all the power again.

Remarks

⚠ Reminders

- This product is a switch/receiver and is intended to control motors for sun blinds (rolling shutters, mini-blinds etc.) by means of a suitable COCO transmitter.
- Only COCO transmitters on which a letter code (="house code") is set manually are suitable to control the SUN-500. COCO transmitters that contain a pre-programmed code (part number begins with "A") are not suitable for this product.
- The receiver only works with a 230 Volt power supply. The internal switch contact of the SUN-500 is not connected to the 230 Volt mains power. It is therefore possible to switch low-voltage motors (e.g. 12 of 24 Volt).
- Approx. 2 minutes after operation of the SUN-500 with a COCO transmitter, the COM contact (see "Explanation" between **[4-5]**) always returns to the rest position (="off"). Due to this automatic switching, the SUN-500 can also be used as a timed switch.
- Operation of the transmitter: (1) Press the ON button: sun blind raises, (2) Press the ON button: sun blind stops, (3) Press the OFF button: sun blind lowers, (4) Press the OFF button: sun blind stops.
- If your sun blind lowers with the ON button and rises with the OFF button, this is not a problem. If desired, however, you can interchange the switch wires of the motor on terminals).
- To prevent interference, avoid placing multiple products close to each other. The minimum distance between units should be approx. 50 cm.
- If you use multiple SUN-500 receivers that you want to control simultaneously, the connected motors must have the same rotation direction for the raise and lower commands.
- If the product does not work or does not work properly:
  - Check the batteries in the transmitter.
  - Make sure the letter and number combination of the SUN-500 matches that of the transmitter.
  - Switch the mains power off for 10 seconds to reset the SUN-500.
  - Make sure there is no other receiver in the immediate vicinity.
  - Check whether there is too much wiring present near the SUN-500 or whether other metal objects may be causing interference.

⚠ Safety instructions

- Always switch off the mains power before you begin with installation or removal. Switch the mains power on again once you are completely finished with the installation/removal.
- This product is not intended to control doors. Attention: The wireless codes in this product can be cracked by third parties, and this product has no protection against unintentional obstacles (e.g. a person or car in the door opening). The use of this product for doors is entirely at your own risk!
- Never connect more than one motor to the SUN-500. If you want to control multiple motors, you must connect each motor to its own SUN-500.
- The power supply connected to the **L** and **N** terminals must be 220-240 Volts and 50 Hertz.
- Do not connect any devices (or lighting) that consume more than 1000 Watts.
- Incorrect connection of equipment can cause defects, a short circuit and fire.
- Do not expose this product to excessive heat, direct sunlight or moisture.
- Do not attempt to repair this product. If the product is damaged or if you are in doubt about the proper operation, take the product back to the place of purchase.
- Do not use the product in damp areas. Clean the device with a clean cloth.

⚠ Wireless

- This product works using a radio signal that passes through walls, windows and doors. The range is maximum 75 metres in the open air. The range indoors is strongly influenced by local conditions such as concrete, glass and metals. On average, the indoor range is approximately 30 metres.
- New double glass often includes a thin metallic layer. This type of glazing ("**HR glass**") allows most visible light to pass through but has a negative impact on radio signals. If there is HR glass between the transmitter and receiver, you should expect a significant reduction of the range of the wireless signal.
- This product operates at a frequency of 433.92 MHz. It complies with the essential requirements and other conditions of R&TTE Directive 1999/5/EC and can be used in all EU countries.
- There may be restrictions on the use of this device outside the EU. If this device is used outside the EU, check whether the device complies with the local directives.

CE

This product complies with the essential requirements and other relevant provisions of the applicable European directives. The Declaration of Conformity (DoC) is available at www.coco-technology.com.

If possible, submit this product for recycling after use. Do not dispose of the product with household trash.

Warranty and copyright

This device is covered by a 2-year warranty that begins on the day of purchase. Visit www.coco-technology.com/warranty for additional information. Reprinting of (portions of) this manual without permission from Pan-Trade International B.V. is expressly prohibited.

PAN-TRADE INTERNATIONAL B.V.

P.O. BOX 126
4760 AC ZEVENBERGEN
THE NETHERLANDS
www.coco-technology.com

CE

Declaration of Conformity

Pan-Trade International BV declares that the COCO product, model:

type designation	SUN-500 CURTAIN/SUN BLIND SWITCH
item number	74016

is in compliance with the essential requirements and other relevant provisions of directives R&TTE 1999/5/EC, EMC 2004/108/EC and LVD 2006/95/EC and is compatible with the standards EN 300 220-1/3, EN 55015, EN 301 489-1/3 and EN 60950.

Manufacturer / Authorised representative,

M.A. Hoekstra, managing director
Zevenbergen, 2008-01-30